

## Product Brochure For L687

### TU-2004V - Opti-Turn Bench Lathe

Ø200 x 300mm Turning Capacity - Ø21mm Spindle Bore  
 Electronic Variable Speeds 150 ~ 2500rpm

**Ex GST**  
**\$1,450.00**

**Inc GST**  
**\$1,595.00**



Stand sold separately

OPTIMUM



ORDER CODE:	L687
MODEL:	TU-2004V
Swing Over Bed (mm):	200
Distance Between Centres (mm):	300
Spindle Bore (mm):	21
Swing In Gap (mm):	~
Swing Over Cross-slide (mm):	140
Digital Readout System Fitted:	Optional
Quick Change Toolpost Fitted:	Optional
Leadscrew Covers Fitted:	~
Taper Turning Attachment:	~
Coolant System:	~
Tool Height To Suit (mm):	10
Centre Height (mm):	100
Spindle Nose Size or Type:	Fixed
Bed Width (mm):	100
Headstock Spindle Taper (MT):	3
Tailstock Taper (MT):	2
Cross Slide Travel (mm):	75
Compound Slide Travel (mm):	55
Leadscrew Type:	Metric
Metric Cross Feed (X-Axis) (mm/rev):	~
Imperial Cross Feed (X-Axis) (inch/rev):	~
Metric Longitudinal Feed (Z-Axis) (mm/rev):	0.1 - 0.2
Imperial Longitudinal Feed (Z-Axis) (inch/rev):	~
Metric Thread Steps & Pitch (No. / mm):	14 (0.25 - 3)
Imperial Thread Steps & TPI (No. / TPI):	12 (8 - 44")
3 Jaw Chuck Diameter (mm):	100
4 Jaw Chuck Diameter (mm):	Optional
Spindle Steps / Speeds (No. / rpm):	Variable (150 - 2500)
Motor Power (kW / hp):	0.60 / 0.8
Voltage / Amperage (V / amp):	240 / 10
Nett Weight (kg):	75

### Description

Ideal for the model maker machining miniature parts

Small in size but packed full of features, this miniature lathe could provide the perfect introduction to those wanting to start metal turning for the first time.

The machine is small enough to fit into the corner of the workshop and with a weight of 75kg the bed is constructed from cast iron for true rigidity. This model turning capacities is 200mm diameter and 300mm between centres and with a 21mm spindle bore its surprisingly large for a machine of this overall size.

Features such as the electric variable speed control, manual or powered leadscrew feed, metric & imperial thread cutting and an extensive range of accessories. The lathe comes supplied with 100mm diameter three jaw self-centring chuck, tailstock centre and service tools.

### Features

- Electronic infinitely variable speed 150-2500rpm
- Easy to read digital readout speed display
- Ribbed prism bed made of grey cast iron
- Inductively hardened and ground bed guideways
- Spindle nose accuracy 0.009mm
- 3 Jaw chuck running accuracy 0.04mm
- Forward & reverse spindle direction switch
- Automatic longitudinal feed

## Product Brochure For L687

- Metric & Imperial thread cutting
- Cross slide & bed length are designed to fit Optimum DRO scales

### Includes

- Change gears for metric & imperial thread cutting
- Chuck guard
- Toolpost guard
- Dead Centre
- 3-jaw chuck with reversible jaws
- Swarf tray
- Rear splash guard

### Specific Features



Stand sold separately

Shown with Optional Stand L688 Left View



Right View



Front View



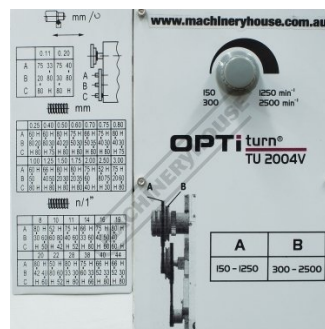
Left View



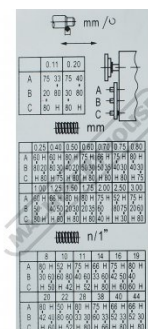
Control Switches



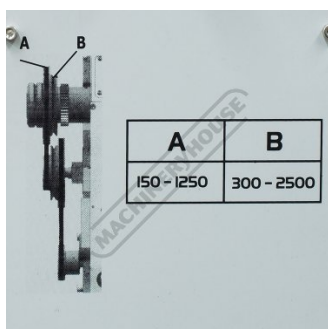
Digital Speed Readout



Headstock Controls



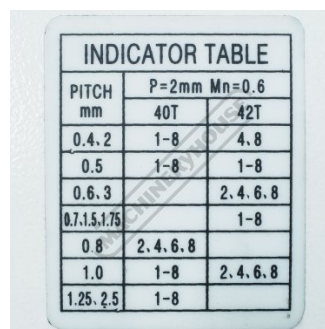
Feed Charts



2 Speed Pulley



Variable Speed Control

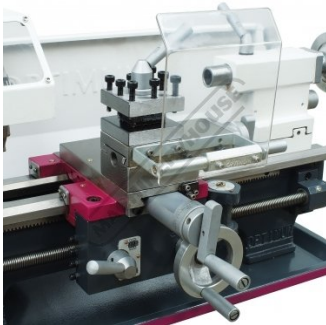


Indicator Table

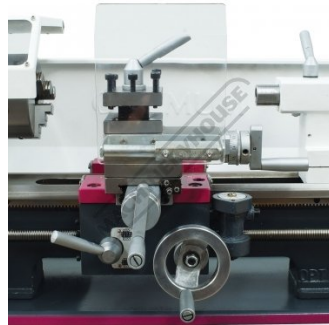


Safety Chuck Guard

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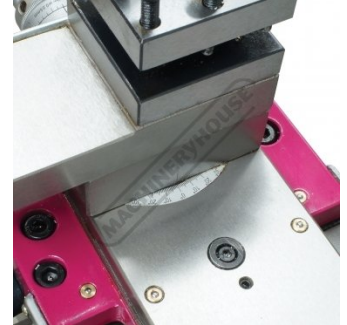
Saddle Left View



Saddle Front View



Saddle Right View



Compound Slide Angle Scale



Thread Chasing Dial



Compound Slide Hand Wheel



Cross Feed Hand Wheel



Saddle Hand Wheel



Feed Engagement Lever



Tailstock



Tailstock Quill



Tailstock Hand Wheel



Induction Hardened and Ground Bed



Parts



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**Recommended Accessories**

L688  
 Lathe Stand



T773  
 Industrial Mobile Tooling Cabinet Workstation



L6875  
 4 Jaw Independent Lathe Chuck



L6877  
 Lathe Steady - Travelling



L6876  
 Lathe Steady - Fixed



D695  
 3-Axis Optimum Digital Readout Counter - 1µm



D694  
 1500mm Optimum Magnetic Digital Readout Scale



P235  
 Coolant Pump & Tank



Product Brochure For L687

**L280**  
 Quick Change Toolpost



**L276**  
 Mini Vertical Mill Slide



**L072**  
 HSS Turning Tool Set - 4 piece



**L0055**  
 Lathe Turning Tool Kit - 5 piece  
 Insert Type



**L012**  
 Right Hand Turning Tool Holder



**L0121**  
 Left Hand Turning Tool Holder



**L020**  
 Right Hand Boring Bar



**C050**  
 2MT Live Centre



**C289**  
 Heavy Duty Drill Chuck - Keyed  
 Type



**D442**  
 2MT x JT6 Drill Chuck Arbor



**D1272**  
 Metric Precision HSS Drill Set -  
 25 Piece



**D1282**  
 Imperial Precision HSS Drill Set -  
 29 Piece



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**S090A**  
 Soluble Metal Cutting Fluid - 1 Litre



**S090**  
 Soluble Metal Cutting Fluid - 5 Litre



**S076**  
 Cutting Tool Lubricant Fluid - 500ml



**S077**  
 Drilling, Tapping & Cutting Tool Lubricant Spray - 400g



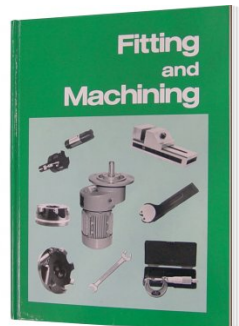
**S075**  
 Cutting Tool Lubricant Paste - 200g



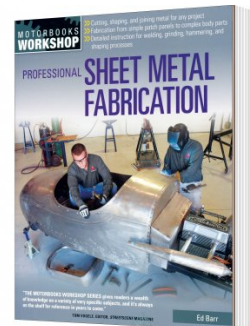
**S074**  
 Cutting Tool Lubricant Paste - 500g



**L341**  
 Fitting and Machining Technical Book



**L3455**  
 Professional Sheet Metal Fabrication Book



**L300**  
 Magnetic Swarf Remover



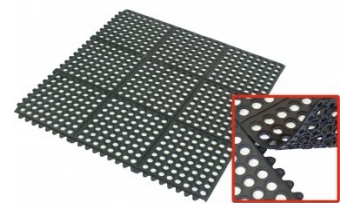
**M9991**  
 Magnetic Floor Sweeper



**M800**  
 Rubber Mat - Anti-Fatigue



**M805**  
 Rubber Mat - Anti-Fatigue



Product Brochure For L687

O000

SpillFix Universal Organic Absorbent



O000A

Natural Zeolite Absorbent



O043

Rust & Corrosion Preventive - Penetrant & Lubrication



O042

General Purpose Lubricant & Corrosion Inhibitor



O040

Rust & Corrosion Preventive - Penetrant & Lubrication



O044

Rust & Corrosion Preventive - Penetrant & Lubrication

